

SSSSSSSS	AAAAAA	TTTTTTTT	SSSSSSSS	SSSSSSSS	SSSSSSSS	44	44	5555555555
SSSSSSSS	AAAAAA	TTTTTTTT	SSSSSSSS	SSSSSSSS	SSSSSSSS	44	44	5555555555
SS	AA	AA	TT	SS	SS	44	44	55
SS	AA	AA	TT	SS	SS	44	44	55
SS	AA	AA	TT	SS	SS	44	44	555555
SS	AA	AA	TT	SS	SS	44	44	555555
SSSSSS	AA	AA	TT	SSSSSS	SSSSSS	4444444444	4444444444	55
SSSSSS	AA	AA	TT	SSSSSS	SSSSSS	4444444444	4444444444	55
SS	AAAAAAAAAA	TT	SS	SS	SS	44	44	55
SS	AAAAAAAAAA	TT	SS	SS	SS	44	44	55
SS	AA	AA	TT	SS	SS	44	44	55
SS	AA	AA	TT	SS	SS	44	44	55
SSSSSSSS	AA	AA	TT	SSSSSSSS	SSSSSSSS	44	44	555555
SSSSSSSS	AA	AA	TT	SSSSSSSS	SSSSSSSS	44	44	555555

LL		SSSSSSSS
LL		SSSSSSSS
LL		SS
LLLLLLLL		SSSSSSSS
LLLLLLLL		SSSSSSSS

(1)	56	DECLARATIONS
(1)	112	CONDITION TABLES
(1)	151	TM SETUP, TM CLEANUP
(1)	242	CONDITION SUBROUTINES - SETUP AND CLEANUP
(1)	335	FORM CONDS
(1)	428	VERIFY
(1)	572	VFY_CLEANUP

0000 1 .TITLE SATSSS45,SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC S.C.)
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 ++
0000 30 FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)
0000 31
0000 32 ABSTRACT:
0000 33
0000 34 THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED
0000 35 WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS45 TO TEST SUCCESSFUL
0000 36 OPERATION OF THE \$SETPRI SYSTEM SERVICE. THE SERVICE IS INVOKED
0000 37 UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
0000 38 SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT
0000 39 OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY
0000 40 CHECKING FOR AN SS\$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS
0000 41 AND EXPECTED FUNCTIONALITY PERFORMED.
0000 42
0000 43 ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 44 DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 45
0000 46 AUTHOR: THOMAS L. CAFARELLA. CREATION DATE: NOV, 1977
0000 47
0000 48 MODIFIED BY:
0000 49
0000 50 VERSION 1.5 : 25-MAY-79
0000 51
0000 52 01 LDJ 10/11/79 Fixed bug caused by DIB\$K_LENGTH change ACG052.RNO mem
0000 53
0000 54 ;--

0000 56 .SBTTL DECLARATIONS
0000 57 :
0000 58 : INCLUDE FILES:
0000 59 :
0000 60 :\$PRVDEF : PRIVILEGE BIT DEFINITIONS
0000 61 :\$PHDDEF : PROCESS HEADER OFFSETS
0000 62 :\$PQLDEF : PROCESS QUOTA CODES
0000 63 :\$PCBDEF : PCB LABELS
0000 64 :\$DIBDEF : DEVICE INFO BLOCK OFFSETS
0000 65 :
0000 66 : MACROS:
0000 67 :
0000 68 :
0000 69 : EQUATED SYMBOLS:
0000 70 :
0000 71 :
0000 72 : OWN STORAGE:
0000 73 :

```
00000000 75 .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000 76 TEST_MOD_NAME:: STRING C,<SATSSS45> ; TEST MODULE NAME
0009 77 TEST_MOD_NAME_D: STRING I,<SATSSS45> ; TEST MODULE NAME DESCRIPTOR
0019 78 MSG1_INP_CTL: STRING I,< SSSPR!4ZW: CONDITIONS:>
0039 79 ; FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
0039 80 MSG3_ERR_CTL:: STRING I,< *SSSPR!4ZW: !AS>
0051 81 ; FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
0051 82 SUBJPRN: STRING I,<SATSSS45.CRE> ; PROCESS & MBX NAME FOR CREATED PROCESS
0065 83 IMAGNAM: STRING I,<SYSTST$RES:SAT$JT08.EXE> ; IMAGE NAME FOR CREATED PROC
0084 84 QUOTALIST: SQUOTA CPULM,0 ; INFINITE CPU
0089 85 SQUOTA BYTLM,512 ; BYTE LIMIT FOR BUFFERED I/O
008E 86 SQUOTA FILLM,2 ; OPEN FILE COUNT LIMIT
0093 87 SQUOTA PGFLQUOTA,10 ; PAGING FILE QUOTA
0098 88 SQUOTA PRCLM,2 ; SUBPROCESS QUOTA
0C9D 89 SQUOTA TQUELM,3 ; TIMER QUEUE ENTRY QUOTA
00A2 90 SQUOTA LISTEND ; DEFINES END OF LIST
```

00000000	92	PSECT	RWDATA, RD, WRT, NOEXE, LONG	
00000008	0000	93	PRIVMASK:	.BLKQ 1 : ADDR OF PRIVILEGE MASK (IN PHD)
0000000C	0008	94	MBXCHAN:	.BLKL 1 : CHAN. NO. FOR MAILBOX FOR CREATED PROCESS
0000000C	000C	95	MBXCHANINFO:	: CHANNEL INFO RETURNED BY GETCHN
00000074	000C	96	.LONG DIB\$K_LENGTH	
00000014	0010	97	.ADDRESS +4	
00000088	0014	98	.BLKB DIB\$K_LENGTH	
0000008C	0088	99	MBXUNIT:	.BLKL 1 : SAVE AREA FOR MAILBOX UNIT NUMBER
	008C	100	MBXBUFF:	STRING 0,120 : MAILBOX BUFFER FOR CREATED PROCESS
00000110	010C	101	DEST PIDADR:	.BLKL 1 : DESTINATION PID ADDR, WRITTEN BY S.S.
00000114	0110	102	ZEROPID:	.BLKL 1 : PID OF ZEROES
00000000	0114	103	SELFPID:	.LONG 0 : PID OF THIS PROCESS
0000011C	0118	104	CREPID:	.BLKL 1 : PID OF CREATED PROCESS
00000120	011C	105	SUBJPID:	.BLKL 1 : PID OF SUBJECT PROCESS (SELF OR OTHER)
FF 00 00	0120	106	ORIGPRI:	.BYTE -1 : ORIGINAL PRIORITY OF SUBJECT PROCESS
00 00 00	0121	107		: NEED HI-ORDER 0'S WHEN
	0124	108		: ... ORIGPRI USED AS LONGWORD
00000125	0124	109	ESTPRI:	.BLKB 1 : PRIORITY ESTABLISHED BEFORE ...
	0125	110		: ... SUBJECT SETPRI CHANGED IT

0125 112 .SBTTL CONDITION TABLES
0125 113 :
0125 114 : ***** CONDITION TABLES FOR SETPRI SYSTEM SERVICE *****
0125 115 :
0125 116 : COND 1,NOTARG,<PID ADDRESS>,-
0125 117 <NOT SPECIFIED>,-
0125 118 <SPECIFIED, NON-ZERO>,-
0125 119 <SPECIFIED, ZERO>,-
0125 120
00000000' 0170 121 .ADDRESS 0
0000011C' 0174 122 .ADDRESS SUBJPID
00000110' 0178 123 .ADDRESS ZEROPID
017C 124 :
017C 125 : COND 2,NOTARG,<PROCESS NAME ADDRESS>,-
017C 126 <SPECIFIED>,-
017C 127 <NOT SPECIFIED>,-
017C 128
00000051' 01B2 129 .ADDRESS SUBJPRN
00000000' 01B6 130 .ADDRESS 0
01BA 131 :
01BA 132 : COND 3,NOTARG,<PROCESS TYPE>,-
01BA 133 <SELF>,-
01BA 134 <SUBPROCESS>,-
01BA 135 <DETACHED, DIFFERENT GROUP>,-
01BA 136 <DETACHED, SAME GROUP, SAME MEMBER>,-
01BA 137 <DETACHED, SAME GROUP, DIFFERENT MEMBER>,-
01BA 138
FFFFFFFFFF 024F 139 .LONG ^xFFFFFFFF : PSEUDO-UIC
00000000 0253 140 .LONG 0 : PSEUDO-UIC
0000025B 0257 141 .BLKL 1 : UIC
0000025F 025B 142 .BLKL 1 : UIC
00000263 025F 143 .BLKL 1 : UIC
0263 144 :
0263 145 : COND 4,NULL
0264 146 : COND 5,NULL
0264 147 :
0265 148 :
00000000 149 .PSECT SATSSS45,RD,WRT,EXE

0000 151 .SBTTL TM_SETUP, TM_CLEANUP
 0000 152 :++
 0000 153 : FUNCTIONAL DESCRIPTION:
 0000 154 :
 0000 155 : TM SETUP AND TM CLEANUP ARE CALLED TO PERFORM
 0000 156 : REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
 0000 157 : TEST MODULE EXECUTION.
 0000 158 :
 0000 159 : CALLING SEQUENCE:
 0000 160 :
 0000 161 : BSBW TM_SETUP BSBW TM_CLEANUP
 0000 162 :
 0000 163 : INPUT PARAMETERS:
 0000 164 :
 0000 165 : NONE
 0000 166 :
 0000 167 : IMPLICIT INPUTS:
 0000 168 :
 0000 169 : NONE
 0000 170 :
 0000 171 : OUTPUT PARAMETERS:
 0000 172 :
 0000 173 : NONE
 0000 174 :
 0000 175 : IMPLICIT OUTPUTS:
 0000 176 :
 0000 177 : TM_SETUP: COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
 0000 178 : ALL PRIVILEGES ACQUIRED.
 0000 179 :
 0000 180 : COMPLETION CODES:
 0000 181 :
 0000 182 : EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
 0000 183 :
 0000 184 : SIDE EFFECTS:
 0000 185 :
 0000 186 : SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
 0000 187 : (VIA RSB) IF ERROR ENCOUNTERED.
 0000 188 :
 0000 189 :--
 0000 190 :
 0000 191 :
 0000 192 :
 0000 193 : TM_SETUP::
 52 D4 0000 194 CLRL R2 : INITIALIZE
 53 D4 0002 195 CLRL R3 : .. CONDITION
 54 D4 0004 196 CLRL R4 : TABLE
 55 D4 0006 197 CLRL R5 : INDEX
 56 D4 0008 198 CLRL R6 : REGISTERS
 FFF3' 30 000A 199 BSBW MOD_MSG PRINT : PRINT TEST MODULE BEGIN MSG
 03 00 00000000'EF DE 000D 200 MOVAL TEST_MOD_SUCC,TMD_ADDR : ASSUME END MSG WILL SHOW SUCCESS
 00000000'8F FO 0018 201 INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS
 00000000'EF 0020 :
 59 00000000'9F DO 0048 202 MODE TO,\$,KRNLL : KERNEL MODE TO ACCESS PHD
 00000000'EF 69 DE 004F 203 MOVL @#CTL\$GL_PHD,R9 : GET PROCESS HEADER ADDRESS
 00056 0056 204 MOVAL PHDSQ_PRIVMSK(R9),PRIVMASK ; GET PRIV MASK ADDRESS
 0057 205 MODE FROM,\$; BACK TO USER MODE
 206 PRIV ADD,ALL ; GET ALL PRIVILEGES

0077 207 \$SETPRN_S TEST MOD_NAME_D ; SET PROCESS NAME
 0084 208 SS_CHECK NORMAL ; CHECK STATUS CODE RETURNED FROM SETPRN
 00B2 209 \$WAKE_S SELFPID ; GET MY PID
 00C1 210 SS_CHECK NORMAL ; CHECK FOR NORMAL RETURN
 00EF 211 \$HIBER_S ; UNDO ABOVE WAKE
 00F6 212 SS_CHECK NORMAL ; CHECK FOR NORMAL RETURN
 0124 213 ; THE FOLLOWING CODE ESTABLISHES UIC'S IN THE CONDITION 3 TABLE
 0124 214 ;
 0124 215 ;
 59 00000000'9F D0 0147 216 MODE TO,20\$,KRNL ; KERNEL MODE TO ACCESS PCB
 59 00BC C9 D0 014E 217 MOVL @\$CH\$GL CURPCB,R9 ; GET CURRENT PCB ADDRESS
 0153 218 MOVL PCB\$L_UIC(R9),R9 ; PICK UP UIC FROM PCB
 0153 219 MODE FROM,20\$; ... AND GET BACK TO USER MODE
 0154 220 ;
 0154 221 ; R9 NOW CONTAINS "MY" UIC
 0154 222 ;
 59 00010000 8F C1 0154 223 MOVZBL #2,R10 ; GET COND3 TABLE INDEX NUMBER INTO A REG
 0000024F'EF4A 0157 224 ADDL3 #^X10000,R9,COND3_E[R10] ; PUT DIFF GROUP UIC INTO 3RD TABLE ELT
 0000024F'EF4A 5A D5 0164 225 INCL R10 ; POINT TO 4TH COND3 TABLE ELEMENT
 0000024F'EF4A 59 D0 0166 226 MOVL R9,COND3_E[R10] ; PUT MY UIC INTO TABLE
 0000024F'EF4A 5A D6 016E 227 INCL R10 ; POINT TO 5TH COND3 TABLE ELEMENT
 0000024F'EF4A 59 01 C1 0170 228 ADDL3 #1,R9,COND3_E[R10] ; PUT DIFF MEMBER UIC INTO THE TABLE
 0179 229 SCREMBX_S CHAN=MBXCHAN, LOGNAM=SUBJPRN, - ; GET MAILBOX FOR PROCESS
 0179 230 MAXMSG=#120, PROMSK=#0, BUFQUO=#240
 019E 231 SS_CHECK_NORMAL ; CHECK NORMAL COMPLETION
 01CC 232 \$GETCHN_S CHAN=MBXCHAN, - ; GET CHAN INFO (UNIT NUMBER)
 01CC 233 PRIBUF=MBXCHANINFO
 00000088'EF 00000020'EF 3C 01E6 234 SS_CHECK_NORMAL ; CHECK NORMAL COMPLETION
 05 0214 235 MOVZWL MBXCHANINFO+8+DIB\$W_UNIT,MBXUNIT ; SAVE MAILBOX UNIT NUMBER
 05 021F 236 RSB ; RETURN TO MAIN ROUTINE
 0220 237 TM_CLEANUP::
 FDCF' 30 0220 238 \$DELMBX_S MBXCHAN ; DELETE TERMINATION MAILBOX
 05 022E 239 BSBW MOD_MSG_PRINT ; PRINT TEST MODULE END MSG
 05 0231 240 RSB ; RETURN TO MAIN ROUTINE

0232 242 .SBTL CONDITION SUBROUTINES - SETUP AND CLEANUP
0232 243 :++
0232 244 FUNCTIONAL DESCRIPTION:
0232 245
0232 246 CONDX AND CONDX_CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED
0232 247 BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW
0232 248 CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON
0232 249 ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE
0232 250 CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEARED
0232 251 UP, IF NECESSARY, IN THE CONDX_CLEANUP SUBROUTINE. THIS INCLUDES,
0232 252 ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO
0232 253 OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO
0232 254 VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE
0232 255 (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
0232 256
0232 257 CALLING SEQUENCE:
0232 258
0232 259 BSBW CONDX BSBW CONDX_CLEANUP
0232 260 WHERE X = 1,2,3,4,5
0232 261
0232 262 INPUT PARAMETERS:
0232 263
0232 264 CONFLICT = 0
0232 265
0232 266 IMPLICIT INPUTS:
0232 267
0232 268 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0232 269 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0232 270
0232 271 OUTPUT PARAMETERS:
0232 272
0232 273 CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
0232 274
0232 275 IMPLICIT OUTPUTS:
0232 276
0232 277 R2,3,4,5,6 PRESERVED
0232 278
0232 279 COMPLETION CODES:
0232 280
0232 281 NONE
0232 282
0232 283 SIDE EFFECTS:
0232 284
0232 285 NONE
0232 286
0232 287 --
0232 288
0232 289
0232 290
0232 291 COND1:: RSB ; RETURN TO MAIN ROUTINE
05 0232 292 COND1_CLEANUP:: RSB ; RETURN TO MAIN ROUTINE
05 0233 293 COND1_CLEANUP:: RSB ; RETURN TO MAIN ROUTINE
05 0233 294 COND2:: RSB ; RETURN TO MAIN ROUTINE
05 0234 295 COND2:: RSB ; RETURN TO MAIN ROUTINE
05 0234 296 COND2_CLEANUP:: RSB ; RETURN TO MAIN ROUTINE
05 0235 297 COND2_CLEANUP:: RSB ; RETURN TO MAIN ROUTINE
05 0235 298 COND2_CLEANUP:: RSB ; RETURN TO MAIN ROUTINE

00000170'EF42 0000011C'8F D1 0236 299 COND3::
 20 13 0242 300 CMPL #SUBJPID,COND1_E[R2]
 000001B2'EF43 D5 0244 301 BEQLU 10\$
 07 13 024B 302 TSTL COND2_E[R3]
 02 54 D1 024D 303 BEQL 5\$
 20 13 0250 304 CMPL R4,#2
 10 11 0252 305 BEQL 20\$
 0254 306 BRB 10\$
 0254 307 5\$: ; NON-ZERO PID SPECIFIED ?
 0254 308 ; YES -- PROCESS IS "OTHER"
 0254 309 ; IS PROCESS NAME SPECIFIED ?
 0254 310 ; NO -- SUBJECT PROCESS IS "SELF"
 0254 311 ; DOES CONDITION 3 SPECIFY DIFFERENT GROUP ?
 0000024F'EF44 00000000'EF D1 0254 312 ; YES -- PROCESS NAME FOR DIFF GROUP IS CONF
 1B 13 0260 313 ; NO -- MAKE SURE COND 3 SPECIFIES 'OTHER'
 0E 11 0262 314 10\$: ;
 0264 315 ;
 0264 316 ; PROCESS IS "SELF"
 0264 317 ;
 0000024F'EF44 00000000'EF D1 0264 318 CMPL ONES,COND3_E[R4]
 0B 12 0270 319 BNEQU COND3X ; DOES CONDITION 3 SPECIFY "SELF" ?
 0272 320 20\$: ; NO -- THEN ALL 3 CONDITIONS ARE CONSISTENT
 00000000'EF 00000000'EF 90 0272 321 MOV B ONES,CONFLICT ; YES -- INDICATE CONFLICT
 027D 322 COND3X: ;
 05 027D 323 RSB ; RETURN TO MAIN ROUTINE
 027E 324 COND3_CLEANUP:: ;
 05 027E 325 RSB ; RETURN TO MAIN ROUTINE
 027F 326 COND4:: ;
 05 027F 327 RSB ; RETURN TO MAIN ROUTINE
 0280 328 COND4_CLEANUP:: ;
 05 0280 329 RSB ; RETURN TO MAIN ROUTINE
 0281 330 COND5:: ;
 05 0281 331 RSB ; RETURN TO MAIN ROUTINE
 0282 332 COND5_CLEANUP:: ;
 05 0282 333 RSB ; RETURN TO MAIN ROUTINE

0283 335 .SBTTL FORM_CONDS
 0283 336 ++
 0283 337 FUNCTIONAL DESCRIPTION:
 0283 338 FORM CONDS FORMATS AND PRINTS INFORMATION ABOUT
 0283 339 THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
 0283 340
 0283 341 CALLING SEQUENCE:
 0283 342 BSBW FORM_CONDS
 0283 343
 0283 344 INPUT PARAMETERS:
 0283 345
 0283 346 NONE
 0283 347
 0283 348 IMPLICIT INPUTS:
 0283 349
 0283 350 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
 0283 351 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
 0283 352 FOR X = 1,2,3,4,5 :
 0283 353 CONDX_T - TITLE TEXT FOR CONDX TABLE
 0283 354 CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE
 0283 355 CONDX_C - CONTEXT OF THE CONDX TABLE
 0283 356 CONDX_E - DATA ELEMENTS OF THE CONDX TABLE
 0283 357
 0283 358
 0283 359
 0283 360 OUTPUT PARAMETERS:
 0283 361
 0283 362 NONE
 0283 363
 0283 364 IMPLICIT OUTPUTS:
 0283 365
 0283 366 NONE
 0283 367
 0283 368 COMPLETION CODES:
 0283 369
 0283 370 NONE
 0283 371
 0283 372 SIDE EFFECTS:
 0283 373
 0283 374 NONE
 0283 375
 0283 376 --
 0283 377
 0283 378
 0283 379
 0283 380 FORM_CONDS:::
 0283 381 \$FAO_S MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM ; FORMAT CONDITIONS HEADER MSG
 02A2 382
 14 FD5B' 30 02A2 383 BSBW OUTPUT_MSG ; AND PRINT IT
 00 91 02A5 384 CMPB #COND1_C,#NULL ; IS CONDITION 1 NULL ?
 03 12 02A8 385 BNEQU 10\$; NO -- CONTINUE
 00BF 31 02AA 386 BRW FORM_CONDSX ; YES -- SUBROUTINE IS FINISHED
 02AD 387 10\$: MOVAL COND1_T,MSG_A ; SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
 00000000'EF 00000125'EF DE 02AD 388 MOVL COND1_T,A[R2],MSG_B ; SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
 00000000'EF 00000132'EF42 D0 02B8 389 MOVB #COND1_C,MSG_CTXT- ; SAVE CONDITION 1 CONTEXT FOR FAO
 00000000'EF 00 90 02C4 390 MOV_VAL COND1_C,COND1_E[R2],MSG_DATA1 ; GIVE COND 1 DATA VALUE TO FAO
 02CB 391

14 FD32'	30 02CB	392	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 1 MSG
00 91 02CE	393	CMPB	#COND2_C,#NULL	: IS CONDITION 2 NULL ?	
03 12 02D1	394	BNEQU	20\$: NO -- CONTINUE	
0096 31 02D3	395	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED	
00000000'EF 00000017C'EF	DE 02D6	397	MOVAL	COND2_T,MSG_A	: SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
00000000'EF 00000192'EF43	DO 02E1	398	MOVL	COND2_TAB[R3],MSG_B	: SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO
00000000'EF 00 02ED	399	MOVB	#COND2_C,MSG_CTXT	: SAVE CONDITION 2 CONTEXT FOR FAO	
14 FD09'	30 02F4	400	MOV_VAL	COND2_T,COND2_E[R3],MSG_DATA1	: GIVE COND 2 DATA VALUE TO FAO
00 91 02F7	401	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 2 MSG	
03 12 02FA	402	CMPB	#COND3_C,#NULL	: IS CONDITION 3 NULL ?	
006D 31 02FC	403	BNEQU	30\$: NO -- CONTINUE	
02FF	404	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED	
000000G0'EF 000001BA'EF	DE 02FF	406	MOVAL	COND3_T,MSG_A	: SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
00000000'EF 000001C8'EF44	DO 030A	407	MOVL	COND3_TAB[R4],MSG_B	: SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO
00000000'EF 00 0316	408	MOVB	#COND3_C,MSG_CTXT	: SAVE CONDITION 3 CONTEXT FOR FAO	
14 FCEO'	30 031D	409	MOV_VAL	COND3_T,COND3_E[R4],MSG_DATA1	: GIVE COND 3 DATA VALUE TO FAO
14 14 91 0320	410	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 3 MSG	
47 13 0323	411	CMPB	#COND4_C,#NULL	: IS CONDITION 4 NULL ?	
00000000'EF 00000263'EF	DE 0325	413	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
00000000'EF 00000263'EF45	DO 0330	414	MOVAL	COND4_T,MSG_A	: SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
00000000'EF 14 90 033C	415	MOVL	COND4_TAB[R5],MSG_B	: SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO	
14 FCBA'	30 0343	416	MOVB	#COND4_C,MSG_CTXT	: SAVE CONDITION 4 CONTEXT FOR FAO
14 14 91 0346	417	MOV_VAL	COND4_T,COND4_E[R5],MSG_DATA1	: GIVE COND 4 DATA VALUE TO FAO	
21 13 0349	418	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 4 MSG	
00000000'EF 00000264'EF	DE 034B	420	CMPB	#COND5_C,#NULL	: IS CONDITION 5 NULL ?
00000000'EF 00000264'EF46	DO 0356	421	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
00000000'EF 14 90 0362	422	MOVAL	COND5_T,MSG_A	: SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO	
0369 423	423	MOVL	COND5_TAB[R6],MSG_B	: SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO	
FC94' 30 0369	424	MOVB	#COND5_C,MSG_CTXT	: SAVE CONDITION 5 CONTEXT FOR FAO	
036C 425	425	MOV_VAL	COND5_T,COND5_E[R6],MSG_DATA1	: GIVE COND 5 DATA VALUE TO FAO	
05 036C	426	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 5 MSG	
		RSB		: RETURN TO CALLER	

FORM_COND\$X:

036D 428 .SBTTL VERIFY
036D 429 :++
036D 430 : FUNCTIONAL DESCRIPTION:
036D 431 :
036D 432 : VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION
036D 433 : TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR
036D 434 : COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS
036D 435 : SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE
036D 436 : (\$SETPRI). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED
036D 437 : BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS
036D 438 : AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF
036D 439 : COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN
036D 440 : ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY,
036D 441 : THROUGH THE SS CHECK MACRO); ERR_EXIT SETS EFLAG TO NON-ZERO,
036D 442 : PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER.
036D 443 : WHEN ERR EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED,
036D 444 : AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.
036D 445 :
036D 446 : CALLING SEQUENCE:
036D 447 :
036D 448 : BSBW VERIFY
036D 449 :
036D 450 : INPUT PARAMETERS:
036D 451 :
036D 452 :
036D 453 :
036D 454 : NONE
036D 455 :
036D 456 : IMPLICIT INPUTS:
036D 457 : R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
036D 458 : FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
036D 459 : FOR X = 1,2,3,4,5 :
036D 460 : CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
036D 461 : TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
036D 462 : ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
036D 463 : FOR CONDX_E.
036D 464 :
036D 465 : OUTPUT PARAMETERS:
036D 466 :
036D 467 :
036D 468 : NONE
036D 469 :
036D 470 : IMPLICIT OUTPUTS:
036D 471 : VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS,
036D 472 : IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING
036D 473 : ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA
036D 474 : AN ERR_EXIT OR SS_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED
036D 475 : ERRORS.
036D 476 :
036D 477 : COMPLETION CODES:
036D 478 : EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
036D 479 :
036D 480 : SIDE EFFECTS:
036D 481 :
036D 482 : SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
036D 483 : (VIA RSB) IF ERROR ENCOUNTERED.
036D 484 :
SA
VO

036D 485 ;--
 036D 486
 036D 487
 036D 488
 036D 489 VERIFY:::
 00000000'EF 95 036D 490 TSTB CFLAG : SHOULD CONDITIONS BE PRINTED ?
 03 13 0373 491 BEQL 5\$: NO -- CONTINUE
 FF0B 30 0375 492 BSBW FORM_CONDS : YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
 0000011C'EF 00000114'EF D0 0378 493 5\$: MOVL SELFPID,SUBJPID : ASSUME THE SUBJECT PID IS SELF
 00000110'EF D4 0383 495 CLRL ZEROPID : CLEAR ZERO PID
 0000024F'EF44 00000000'EF D1 0389 496 CMPL ONES,COND3_E[R4] : IS PROCESS FOR THIS TEST CASE SELF ?
 03 12 0395 497 BNEQU 7\$: NO -- CONTINUE
 0074 31 0397 498 BRW 10\$: YES -- DON'T CREATE A PROCESS
 039A 499 7\$: \$CREPRC_S PIDADR=CREPID, PRCNAM=SUBJPRN, -
 039A 500 UIC=COND3_E[R4], IMAGE=IMAGNAM, -
 039A 501 MBXUNT=MBXUNIT, QUOTA=QUOTALIST : CREATE THE SUBJECT PROCESS
 039A 502 : ... AND MAKE SURE IT CREATED OK
 03D5 503 SS CHECK NORMAL : MAKE THE SUBJCT PID = THE ONE JUST CREATED
 0000011C'EF 00000118'EF D0 0403 504 MOVL CREPID,SUBJPID
 040E 505 10\$: \$SETPRI_S PIDADR=SUBJPID, PRI=#0, -
 040E 506 PRVPRI=ORIGPRI : GET ORIGINAL PRIORITY
 040E 507 SS CHECK NORMAL : CHECK FOR NORMAL RETURN
 0425 508 \$SETPRI_S PIDADR=SUBJPID, PRI=ORIGPRI : RESTORE ORIGINAL PRIORITY
 0453 509 SS CHECK NORMAL : CHECK FOR NORMAL RETURN
 046A 510 MOVL COND1_E[R2],DEST_PIDADR : GET PID ADDRESS OUT OF TABLE
 046A 511 MOVL COND2_E[R3],R9 : PRCNAM ADDR INTO REG FOR INDIRECT REF'RNC
 046A 512 CLRL R8 : INITIALIZE PRIORITY VALUE REGISTER
 0000010C'EF 00000170'EF42 D0 0498 513
 59 000001B2'EF43 D0 04A4 514
 58 D4 04AC 515 15\$: MOVL COND1_E[R2],DEST_PIDADR : GET PID ADDRESS OUT OF TABLE
 00000110'EF D4 04AE 516 MOVL COND2_E[R3],R9 : PRCNAM ADDR INTO REG FOR INDIRECT REF'RNC
 04B4 517 CLRL ZEROPID : INITIALIZE PRIORITY VALUE REGISTER
 04B4 518 : ***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
 04B4 519 : \$SETPRI_S PIDADR=@DEST_PIDADR, PRCNAM=(R9), -
 04B4 520 PRI=R8, PRVPRI=ESTPRI : CODE RECEIVED = CODE EXPECTED ?
 00000000'8F 50 D1 04CB 521 CMPL R0,#\$\$\$_NORMAL : YES -- CONTINUE
 00000000'8F 61 13 04D2 522 BEQLU 18\$: NO -- LOAD UP EXPECTED AND ..
 00000000'EF 00000000'8F D0 04D4 523 MOVL #\$\$\$_NORMAL,EXPV : RECEIVED VALUES, THEN EXIT
 00000000'EF 50 D0 04DF 524 MOVL R0,RECV : ERR_EXIT LONG,<INCORRECT STATUS CODE RETURNED FROM SETPRI>
 0000010C'EF D5 0535 525 18\$: TSTL DEST_PIDADR : PID RETURNED BY SETPRI ?
 0000010C'FF 0000011C'EF D5 0535 526 BEQL 20\$: NO -- KEEP GOING
 0000010C'FF 68 13 053B 527 CMPL SUBJPID,@DEST_PIDADR : YES -- IS IT THE CORRECT ONE ?
 00000000'EF 0000011C'EF D1 053D 528 BEQL 20\$: YES -- CONTINUE
 00000000'EF 5B 13 0548 529 MOVL SUBJPID,EXPV : NO --LOAD UP EXPECTED AND ..
 00000000'EF 0000010C'FF D0 054A 530 MOVL @DEST_PIDADR,RECV : RECEIVED VALUES, THEN EXIT
 00000000'EF 50 D0 0555 531 532 533 534 535 20\$: ERR_EXIT LONG,<INCORRECT PID RETURNED BY SETPRI>
 0560 536 TSTL R8 : SETTING PRIORITY 0 ?
 0560 537 BNEQ 40\$: NO -- CONTINUE
 5A 00000120'EF 58 D5 05A5 538 MOVB ORIGPRI,R10 : YES -- EXPECT ORIGINAL PRIORITY RETURNED
 09 12 05A7 539 BRB 42\$:
 04 11 05B0 540 40\$: SUBB3 #1,R8,R10 : COMPUTE EXPECTED PRIORITY TO BE RETURNED

SATSSS45
V04-000L 10
SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC 16-SEP-1984 00:55:25 VAX/VMS Macro V04-00
VERIFY 5-SEP-1984 04:31:42 [UETPSY.SRC]SATSSS45.MAR;1 Page 14
(1)

00000124'EF	5A	91	05B6	542	42\$:	CMPB R10,ESTPRI	: IS ESTABLISHED PRIORITY = THAT EXPECTED ?
00000000'EF	5C	13	05BD	543		BEQLU 50\$: YES -- CONTINUE
00000000'EF	5A	90	05BF	544		MOVB R10,EXPV	: NO -- LOAD UP EXPECTED AND
00000000'EF	00000124'EF	90	05C6	545		MOVB ESTPRI,RECV	: RECEIVED VALUES, THEN EXIT
			05D1	546		ERR_EXIT BYTE,<PRIORITY VALUE NOT RETAINED BY SETPRI>	
			061B	547			
			061B	548	50\$:	ACBB #31,#1,R8,15\$: LOOP THRU ALL LEGAL PRIORITIES
FE8D 58 01 1F	9D	061B	549			\$SETPRI_S PIDADR=\$SUBJPID, PRI=ORIGPRI, -	
			0621	550		PRVPRI=ESTPRI	: GET BACK ORIGINAL PRIORITY
			0621	551		SS CHECK NORMAL	: CHECK FOR NORMAL RETURN
00000124'EF	1F	91	066A	552		CMPB #31,ESTPRI	: DID SETPRI REMEMBER PREVIOUS PRI (31) ?
00000000'EF	5C	13	0671	553		BEQLU 60\$: YES -- CONTINUE
00000000'EF	1F	90	0673	554		MOVB #31,EXPV	: NO -- LOAD UP EXPECTED AND
00000000'EF	00000124'EF	90	067A	555		MOVB ESTPRI,RECV	: RECEIVED VALUES, THEN EXIT
			0685	556		ERR_EXIT BYTE,<PRIORITY VALUE NOT RETAINED BY SETPRI>	
			06CF	557			
0000011C'EF	00000118'EF	D1	06CF	558	60\$:	CMPL CREPID,SUBJPID	: WAS A PROCESS CREATED ?
03	13	06DA	559			BEQLU 65\$: YES -- CONTINUE
0094	31	06DC	560			BRW VERIFYX	: NO -- ALL FINISHED
			06DF	561			
			06DF	562	65\$:	\$WAKE S SUBJPID	: ALLOW CREATED PROCESS TO FINISH
			06EE	563		SS CHECK NORMAL	: CHECK FOR NORMAL STATUS CODE
			071C	564		\$QIOW_S CHAN=MBXCHAN, FUNC=#IOS READVBLK, -	
			071C	565		P1=MBXBUFF+8, P2=MBXBUFF	
			0745	566			
			0745	567		SS_CHECK NORMAL	: ... AND WAIT FOR IT TO SEND MAIL
			0773	568			: CHECK FOR NORMAL STATUS CODE
05	0773	VERIFYX:	569			RSB	: RETURN TO CALLER
			570				

```

0774 572 .SBTTL VFY_CLEANUP
0774 573 ++
0774 574 :++ FUNCTIONAL DESCRIPTION:
0774 575
0774 576 VFY CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE
0774 577 EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY CLEANUP MUST
0774 578 ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN
0774 579 ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERR EXIT
0774 580 ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED
0774 581 IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING,
0774 582 WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
0774 583 POSSIBLY DISCOVERING A SECOND ERROR.
0774 584
0774 585 CALLING SEQUENCE:
0774 586
0774 587 BSBW VFY_CLEANUP
0774 588
0774 589 INPUT PARAMETERS:
0774 590
0774 591 NONE
0774 592
0774 593 IMPLICIT INPUTS:
0774 594
0774 595 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0774 596 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0774 597 FOR X = 1,2,3,4,5 :
0774 598 CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
0774 599 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
0774 600 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
0774 601 FOR CONDX_E.
0774 602
0774 603 OUTPUT PARAMETERS:
0774 604
0774 605 NONE
0774 606
0774 607 IMPLICIT OUTPUTS:
0774 608
0774 609 NONE
0774 610
0774 611 COMPLETION CODES:
0774 612
0774 613 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
0774 614
0774 615 SIDE EFFECTS:
0774 616
0774 617 SS CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
0774 618 (VIA RSB) IF ERROR ENCOUNTERED.
0774 619
0774 620 :--+
0774 621
0774 622
0774 623
0774 624 VFY_CLEANUP:: CMPL CREPID,SUBJPID : WAS A PROCESS CREATED FOR THIS TEST CASE ?
11 12 0774 625 BNEQU 10$ : NO -- DON'T DELETE IT
077F 626 $DELPYC_S SUBJPID : YES -- DELETE IT
0781 627 BRB VFY_CLEANUPX : ... AND GET OUT
52 11 0790 628

```

0000011C'EF	00000118'EF	D1	0774	625	CMPL CREPID,SUBJPID	: WAS A PROCESS CREATED FOR THIS TEST CASE ?
		11	077F	626	BNEQU 10\$: NO -- DON'T DELETE IT
			0781	627	\$DELPYC_S SUBJPID	: YES -- DELETE IT
		52	11	0790	BRB VFY_CLEANUPX	: ... AND GET OUT

SATSSS45
V04-000

N 10
SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC 16-SEP-1984 00:55:25 VAX/VMS Macro V04-00
VFY_CLEANUP 5-SEP-1984 04:31:42 [UETPSY.SRC]SATSSS45.MAR;1 Page 16
(1)

00000120'EF 00000000'EF 91 0792 629 10\$: ; WAS ORIGINAL PRIORITY EVER CHANGED ?
45 13 0792 630 CMPB ONES,ORIGPRI ; NO -- CLEANUP IS COMPLETE
079D 631 BEQLU VFY_CLEANUPX ;
079F 632 \$SETPRI S PIDADR=SUBJPID, PRI=ORIGPRI ; YES -- GET BACK ORIGINAL
07B6 633 SS CHECR NORMAL ; CHECK FOR NORMAL RETURN
07E4 634 VFY_CLEANUPX:
05 07E4 635 MOVB ONES,ORIGPRI ; INDICATE PRI NOT CHANGED YET FOR NEXT T.C.
07EF 636 RSB ; RETURN TO CALLER
07F0 637 .END

\$\$\$\$	= 0000068F	R	04	DIB\$W_UNIT	= 0000000C
\$\$\$CHARS	= 00000025			EFLAG	***** X 04
\$\$\$CHARS1	= 00000004			ESTPRI	00000124 R 03
\$\$\$CHARS2	= 0000000A			EXPV	***** X 04
\$\$\$CHARS3	= 00000019			FAO_DESC	***** X 04
\$\$\$CHARS4	= 00000021			FAO_LEN	***** X 04
\$\$\$CHARS5	= 00000026			FORM_CONDS	00000283 RG 04
\$\$\$COND_A	= 00000004			FORM_CONDSX	0000036C R 04
\$\$\$STRINGS	= 00000001			IMAGNAM	00000065 R 02
\$\$\$STRINGS2	= 00000005			IOS_READVBLK	***** X 04
\$\$T1	= 00000001			LONG	= 00000004 G
\$\$T2	= 00000004			MBXBUFF	0000008C R 03
BYTE	= 00000001	G		MBXCHAN	00000008 R 03
CFLAG	***** X 04			MBXCHANINFO	0000000C R 03
CHMRTN	***** X 04			MBXUNIT	00000088 R 03
CHM_CONT	***** X 04			MOD_MSG_CODE	***** X 04
COMP_SC	***** X 04			MOD_MSG_PRINT	***** X 04
COND_T	= 00000232	RG	04	MSGT_INP_CTL	00000019 R 02
COND1_C	= 00000000			MSG3_ERR_CTL	00000039 RG 02
COND1_CLEANUP	= 00000233	RG	04	MSG_A	***** X 04
COND1_E	= 00000170	R	03	MSG_B	***** X 04
COND1_H	= 00000131	RG	03	MSG_CTXT	***** X 04
COND1_T	= 00000125	R	03	NOTARG	= 00000000 G
COND1_TAB	= 00000132	R	03	NULL	= 00000014 G
COND2_C	= 00000234	RG	04	ONES	***** X 04
COND2_CLEANUP	= 00000235	RG	04	ORIGPRI	00000120 R 03
COND2_E	= 000001B2	R	03	OUTPUT_MSG	***** X 04
COND2_H	= 00000191	RG	03	PCB\$L_OIC	= 000000BC
COND2_T	= 0000017C	R	03	PCV	***** X 04
COND2_TAB	= 00000192	R	03	PHD\$Q_PRIVMSK	= 00000000
COND3_	= 00000236	RG	04	PQL\$_BYTLM	= 00000003
COND3_X	= 0000027D	R	04	PQL\$_CPULM	= 00000004
COND3_C	= 00000000			PQL\$_FILLM	= 00000006
COND3_CLEANUP	= 0000027E	RG	04	PQL\$_LISTEND	= 00000000
COND3_E	= 0000024F	R	03	PQL\$_PGFLQUOTA	= 00000007
COND3_H	= 000001C7	RG	03	PQL\$_PRCLM	= 00000008
COND3_T	= 000001BA	R	03	PQL\$_TQUELM	= 00000009
COND3_TAB	= 000001C8	R	03	PRIVMASK	00000000 R 03
COND4_C	= 0000027F	RG	04	PRIV_ARGS	= 00000002
COND4_CLEANUP	= 00000280	RG	04	PROCESS_ERR	***** X 04
COND4_H	= 00000263	RG	03	QUAD	= 00000008 G
COND4_T	= 00000263	R	03	QUOTALIST	00000084 R 02
COND4_TAB	= 00000263	R	03	RECV	***** X 04
COND5_	= 00000281	RG	04	REST_REGS	***** X 04
COND5_C	= 00000014			SAVE_REGS	***** X 04
COND5_CLEANUP	= 00000282	RG	04	SCH\$GL_CURPCB	***** X 04
COND5_H	= 00000264	RG	03	SELFPID	00000114 R 03
COND5_T	= 00000264	R	03	SS\$_NORMAL	***** X 04
COND5_TAB	= 00000264	R	03	SUBJPID	0000011C R 03
CONFLICT	***** X 04			SUBJPRN	00000051 R 02
CREPID	= 00000118	R	03	SUCCESS	***** X 04
CTL\$GL_PHD	***** X 04			SYSSCMKRNL	***** GX 04
DESC	= 00000010	G	04	SYSSCREMBX	***** GX 04
DEST_PIDADR	= 0000010C	R	03	SYSSCREPRC	***** GX 04
DIB\$R_LENGTH	= 00000074			SYSSDELMBX	***** GX 04
				SYSSDELPRC	***** GX 04
				SYSSFAO	***** X 04

```

SY$GETCHN      ***** GX  04
SY$HIBER       ***** GX  04
SY$QIOW        ***** GX  04
SY$SETPRI      ***** GX  04
SY$SETPRN      ***** GX  04
SY$SETPRV      ***** GX  04
SY$SWAKE       ***** GX  04
TESTNUM        ***** X   04
TEST_MOD_NAME  00000000 RG  02
TEST_MOD_NAME_D 00000009 R   02
TEST_MOD_SUCC  ***** X   04
TMD_ADDR       ***** X   04
TM_CLEANUP     00000220 RG  04
TM_SETUP       00000000 RG  04
VERIFY         0000036D RG  04
VERIFYX        00000773 R   04
VFY_CLEANUP   00000774 RG  04
VFY_CLEANUPX  000007E4 R   04
WORD           = 00000002 G   -
WRITE_MSG2    00000110 R   03
ZEROPID        ***** X   04

```

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000	(0.) 00	(0.) NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000	(0.) 01	(1.) NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	0G0000A7	(167.) 02	(2.) NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	00000265	(613.) 03	(3.) NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SATSSS45	000007F0	(2032.) 04	(4.) NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.11	00:00:00.33
Command processing	137	00:00:00.66	00:00:01.84
Pass 1	301	00:00:09.60	00:00:19.91
Symbol table sort	0	00:00:00.78	00:00:01.40
Pass 2	139	00:00:02.36	00:00:05.01
Symbol table output	16	00:00:00.11	00:00:00.11
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	632	00:00:13.66	00:00:28.63

The working set limit was 1500 pages.

51477 bytes (101 pages) of virtual memory were used to buffer the intermediate code.

There were 30 pages of symbol table space allocated to hold 490 non-local and 60 local symbols.

637 source lines were read in Pass 1, producing 26 object records in Pass 2.

47 pages of virtual memory were used to define 37 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name

\$255\$DUA28:[SHRLIB]UETP.MLB;
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;
-\$255\$DUA28:[SYSLIB]STARLET.MLB;
TOTALS (all libraries)

Macros defined

9
2
23
34

892 GETS were required to define 34 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LI\$:\$SATSSS45/OBJ=OBJ\$:\$SATSSS45 MSRC\$:\$SATSSS45/UPDATE=(ENH\$:\$SATSSS45)+EXECMLS\$:/LIB+SHRLIB\$:\$UETP/LIB

0423 AH-BT13A-SE
VAX/VMS V4.0

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